1645

PATENT

Docket No.: **19226/2081 (R-5661)**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)	:	Balasubramanian et al.	Examiner: Unknown
Serial No.	:	10/000,226	
Cnfrm. No.	:	9220	Art Unit: 1645
Filed	:	November 30, 2001	
For	:	METHOD OF COMPLEXING A PROTEIN BY THE USE OF A DISPERSED SYSTEM AND PROTEINS THEREOF	

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.97-1.98

U.S. Patent and Trademark Office
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Dear Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, applicants hereby bring to the attention of the United States Patent and Trademark Office, pursuant to 37 C.F.R. §§ 1.97-1.98, the enclosed documents listed on the attached PTO-1449 form.

Pursuant to 37 C.F.R. § 1.97(b), no fee is required. If additional fees are required, however, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 14-1138.

It is respectfully requested than an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

Date: April 22, 2002

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: U.S. Patent and Trademark Office P.O. BOX 2327 Arlington, VA 22202, on the date below.

April 22, 2002 — Date
Ruth R. Smith

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	APPLICANT Balasubramanian et al.	
	FILING DATE November 30, 2001	GROUP ART UNIT 1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION IF APPROPRIATE

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

		1	Balasubramanian et al., "Liposomes as Formulation Excipients for Protein Pharamceuticals: A Model Protein Study," Pharm. Res., 17(3):344-350 (2000)
		2	Tavio et al., "Human Chorionic Gonadotropin in the Treatment of HIV-Related Kaposi's Sarcoma," Eur. J. Cancer, 34(10):1634-1637 (1998)
		3	Lunardi-Iskandar et al., "Effects of a Urinary Factor From Women in Early Pregnancy on HIV-1, SIV and Associated Disease," Nature Med., 4(4):428-434 (1998)
		4	Lee-Huang et al., "Lysozyme and RNases as Anti-HIV Components in β-core Preparations of Human Chorionic Gonadotropin," Proc. Natl. Acad. Sci. USA, 96:2678-2681 (1999)
		5	Timasheff et al., "Preferential Binding of Solvent Components to Proteins in Mixed Water-Organic Solvent Systems," Biochem., 7(7):2501-2513 (1968)
		6	Rariy et al., "Protein Refolding in Predominantly Organic Media Markedly Enhanced by Common Salts," Biotechnol. Bioeng., 62(6):704-710 (1999)
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		9	Purohit et al., "Mutants of Human Choriogonadotropin Lacking *N*-Glycosyl Chains in the α-Subunit. 1. Mechanism for the Differential Action of the N-Linked Carbohydrates," Biochem., 36:12355-12363 (1997)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS-LATION IF APPRO-PRIATE

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		10	Balasubramanian et al., "Interferon-γ-Inhibitory Oligodeoxynucleotides Alter the Conformation of Interferon-γ," Molecular Pharmacol., 53:926-932 (1998)
		11	Aloj et al., "Interaction of 1, 8-ANS With Human Luteinizing Hormones: A Probe for Subunit Interactions of hCG and hLH," Arch. Biochem. Biophys., 165:478-479 (1973)
		12	Morozova et al., "Stability of Equine Lysozyme. I. Thermal Unfolding Behaviour," Biophys. Chem., 41:185-191 (1991)
		13	Ikeguchi et al., "Evidence for Identity Between the Equilibrium Unfolding Intermediate and a Transient Folding Intermediate: A Comparative Study of the Folding Reactions of α-Lactalbumin and Lysozyme," Biochem., 25:6965-6972 (1986)
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		15	Witzke et al., "Beta-Human Choriogonadotropin Therapy and HIV-Related Kaposi's Sarcoma," Eur. J. Med. Res., 2:155-158 (1997)
		16	Lakowicz, Principles of Fluorescence Spectroscopy, Second Edition, New York, New York:Plenum Publishers, pp. 51-54 (1999)
		17	"Stability of Protein Pharmaceuticals: Part A: Chemical and Physical Pathways of Protein Degradation," in Ahern, eds., Pharmaceutical Biotechnology, Vol. 2, New York, New York:Plenum Press, pp. vii-xvii (1992)
		18	"Stability of Protein Pharmaceuticals: Part B: *In Vivo* Pathways of Degradation and Strategies for Protein Stabilization," in Ahern, eds., Pharmaceutical Biotechnology, Vol. 3, New York, New York:Plenum Press, pp. vii-viii (1992)

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